|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table S2:** The quality statistics of the filtered reads | | | | | | |
| Sample | Total raw reads (M) | Total clean reads (M) | Total clean bases (Gb) | Clean reads Q20(%) | Clean reads Q30(%) | Total mapping (%) |
| BACKr1 | 45.12 | 44.05 | 6.61 | 98.31 | 94.48 | 97.63 |
| BACKr2 | 45.12 | 44.27 | 6.64 | 98.31 | 94.43 | 98.12 |
| BACKr3 | 45.12 | 44.01 | 6.60 | 98.34 | 94.50 | 97.54 |
| BAT1r1 | 45.76 | 44.24 | 6.64 | 98.22 | 94.14 | 96.68 |
| BAT1r2 | 45.76 | 44.26 | 6.64 | 98.36 | 94.59 | 96.72 |
| BAT1r3 | 45.44 | 44.24 | 6.64 | 98.31 | 94.44 | 97.36 |
| BAT2r1 | 45.44 | 44.29 | 6.64 | 98.29 | 94.37 | 97.47 |
| BAT2r2 | 45.44 | 44.21 | 6.63 | 98.25 | 94.25 | 97.29 |
| BAT2r3 | 47.36 | 44.28 | 6.64 | 98.82 | 95.44 | 93.50 |
| WACKr1 | 45.12 | 44.24 | 6.64 | 98.40 | 94.74 | 98.05 |
| WACKr2 | 45.44 | 44.22 | 6.63 | 98.34 | 94.54 | 97.32 |
| WACKr3 | 43.01 | 41.66 | 6.25 | 98.10 | 93.67 | 96.86 |
| WAT1r1 | 45.44 | 44.21 | 6.63 | 98.28 | 94.34 | 97.29 |
| WAT1r2 | 45.44 | 44.01 | 6.60 | 98.34 | 94.52 | 96.85 |
| WAT1r3 | 45.76 | 44.05 | 6.61 | 98.41 | 94.82 | 96.26 |
| WAT2r1 | 45.60 | 44.17 | 6.63 | 98.19 | 94.02 | 96.86 |
| WAT2r2 | 45.12 | 44.03 | 6.60 | 98.38 | 94.70 | 97.58 |
| WAT2r3 | 45.12 | 44.18 | 6.63 | 98.03 | 93.59 | 97.92 |
| ***Mean*** | 45.37 | 44.03 | 6.61 | 98.32 | 94.42 | 97.07 |